

Recombinant Rat Cpb2 Protein, His-tagged

Cat. No. Cpb2-1140R Lot. No. (See product label)

SPECIFICATION

| | |
|-----------------------------|---|
| Product Overview | Recombinant rat Cpb2 (NP_446069.1) (Met1-Ser422) was expressed with a polyhistidine tag at the C-terminus. |
| Species | Rat |
| Source | HEK293 |
| ProteinLength | 1-422 a.a. |
| Predicted N Terminal | Phe 22 |
| Form | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol. |
| Molecular Mass | The recombinant rat Cpb2 consists of 412 amino acids and predicts a molecular mass of 48 kDa. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Purity | >95 % as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C. |
| Storage | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Cpb2 carboxypeptidase B2 \(plasma\) \[Rattus norvegicus \]](#)

Official Symbol [Cpb2](#)

Synonyms CPB2; carboxypeptidase B2 (plasma); carboxypeptidase B2; CPR; CPU; TAFI; carboxypeptidase R; carboxypeptidase U; thrombin-activable fibrinolysis inhibitor;

Gene ID [113936](#)

mRNA Refseq [NM_053617](#)

Protein Refseq [NP_446069](#)

MIM

UniProt ID

Pathway Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic sec

Function carboxypeptidase activity; carboxypeptidase activity; metal ion binding; metalloproteinase activity; metalloproteinase activity; peptidase activity; zinc ion binding;

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